

Zebra® PT400

THERMAL TRANSFER PORTABLE PRINTER

Introducing the PT400™

The PT400 is the only Zebra printer in the Portable Line™ with thermal transfer ribbon capabilities. This feature makes it an ideal printer choice for applications that require easy maintenance, unencumbered mobility, and crisp, long-lasting bar code images.

Lightweight and rugged

Even with the recyclable ribbon cartridge and 8-hour battery on board, the PT400 weighs only 4 pounds. And, ruggedness wasn't sacrificed to remain lightweight. The strong polycarbonate ABS plastic housing combined with the permanent rubber overmolding ensures that the printer is protected from bangs and drops of up to four feet.

Intuitive design

The snap-in ribbon cartridge and the front door loading make the PT400's level of ease incomparable. The ribbon cartridge automatically aligns when installed. There is no room for error. And, because the door opens in front, it doesn't matter if the PT400 is strapped on, hanging or laying flat. Even while you are wearing the PT400, you can snap the ribbon cartridge in with one hand - even gloved.

Unique ribbon sensor

The ribbon sensor on the PT400 is compatible with a variety of ribbons, including color ribbons. This unique feature is particularly valuable in retail tagging and warning label applications.

Reliable print performance

The superior print quality of the PT400 is due to Zebra's sophisticated battery management system and state-of-the-art electronics. These are designed to provide consistent print quality with less power - which means a longer uninterrupted printing session. Programmable print speed, font options and Zebra's renowned quality and attention to detail also make the PT400's print quality the industry's best.

For more information

For additional details on all Zebra printers, supplies, software and accessories, call your Zebra representative or visit our web site at: <http://www.zebra.com>.



- Weighs only 4lbs., even with 8-hour battery and ribbon cartridge
- Thermal transfer PT400 creates crisp, long-lasting barcode images with the PT400's print capability
- Easy access door and a revolutionary snap-in ribbon cartridge makes operation foolproof

Industry/Label Application Overview

- Asset Tracking
- Outside Label Applications
- Bin and Location Labeling
- Shelf Edge Labeling
- Compliance Labeling
- Long-lived Receipts
- Evidence Labeling
- Mobile Ticketing



When it's on the line.™

PT400 Functional Overview*

STANDARD FEATURES

PRINT SPECIFICATIONS

- **Print Method** Thermal transfer
- **Max. Width** 4.1" (104mm)
- **Max. Length** 10.0" (254mm)
- **Resolution** 203 dpi (8 dots/mm)
- **Speeds** 2.0"/sec. (51mm/sec.) and 1.5"/sec. (38mm/sec.)

PHYSICAL CHARACTERISTICS

- **Depth** 2.9" (72mm)
- **Width** 9.2" (233mm)
- **Construction** Polycarbonate plastic with protective overmolding
- **Height** 7.9" (200mm)
- **Weight w/o battery** 3.5lbs. (1.59kg)
- **Shipping Weight** 8lbs. (3.64kg)

RELATED FEATURES

- 1MB Flash Memory
- 512K DRAM Memory
- Smart Battery Management
- Resident Scalable Fonts
- Transmissive/Reflective Media Sensors
- Ribbon Out Sensor
- Rubber overmolding provides 4 ft. drop protection
- 32-bit RISC processor

ZPLOR ZPLII® PROGRAMMING LANGUAGE

- Software selectable, universal language for Zebra printers. Makes label formatting and modification simple. Allows compatibility with other Zebra printers.

OPERATING CHARACTERISTICS

ENVIRONMENT

- **Operating Temp.** 32°F (0°C) to 122°F (50°C)
- **Storage Temp.** -40°F (-40°C) to 140°F (60°C)
- **Battery Storage Temp.** -22°F (-30°C) to 95°F (35°C)
- **Operating Humidity** 10-90% non-condensing
- **Storage Humidity** 10-90% non-condensing

ELECTRICAL

- 14.4V 700 mAh NiCd Standard Battery
- 210+ (4x6 labels) @ 18% density
- 120/230v VAC/47-63Hz Battery charger brick
- Shock mounted internal components

COMMUNICATION INTERFACE CAPABILITIES

- RS-232 RJ-45 connector serial port
- Software (XON/XOFF) or hardware (DTR/DSR) communication handshake protocols
- Configurable baud rate (110 - 19,200B), parity, and data bits
- Error detection CRC protocol

AGENCY APPROVALS

- UL 1950; CISPR 22 (Class B); IEC 950 EN 60950 EN 50082-1:1997; CSA 22.2 No.950-95; Canadian Doc. (Class A); FCC (Part 15 Subpart B/Class A); CE Compliance

MEDIA CHARACTERISTICS

MEDIA SPECIFICATIONS

- **Width** 1.0" (25mm) to 4.25" (109mm)
- **Thickness** 0.0025" (0.064mm) to 0.0106" (0.269mm)
- **Max. Roll Size** 2.1" (53mm) O.D. on a 1.0" (25mm) I.D. Core
- **Max. Supply Dia.** .66" (17mm) on a .40" (10mm) Core
- **Media Type** Continuous, perforated, die-cut, black mark or tag stock
- **Ribbon Cartridge** Zebra designed its snap-in ribbon cartridge for easy one-handed loading. The cartridge can handle a wide variety of media formulations and colors. Consult with your Supplies Specialist for details on ribbon suppliers, options and specifications.

FONTS / GRAPHICS / SYMBOLOGIES

CHARACTER FONTS/SETS

- **CHR Fonts** Standard: 9 bitmapped A, B, C, D, E, F, G, H and GS in 7 pt. sizes, 1 smooth font (CG Triumvirate™ Bold) scalable up to 10x10 point size
- **CHR Sets** IBM® Code Page 850 multilingual character set graphics symbols

GRAPHIC FEATURES

- Supports user-defined fonts and graphics—including custom logos

BAR CODE SYMBOLOGIES

- **Bar code ratios:** 2:1 and 3:1
- **Linear bar codes:** 93UCC/EAN128/ Code 93 (USS-93), Code11 (USD-8), Interleaved 2 of 5 (ITF), Code 39 (USD-3 & 3 of 9), EAN8/JAN8, EAN14/UPC A, UPC-E, Code 128 A/B/C, USD-6, EAN13/JAN13, Industrial 2 of 5, ANSI Codabar (USD-4 & 2 of 7; NW-7), LOGMARS, MSI, Plessey, UPC/EAN Extensions (ADD2/5), EAN/UPC, POSTNET
- **2-dimensional bar codes:** Maxicode, PDF-417, Code 49, QR, Datamatrix, MicroPDF, Codablock

OPTIONAL FEATURES

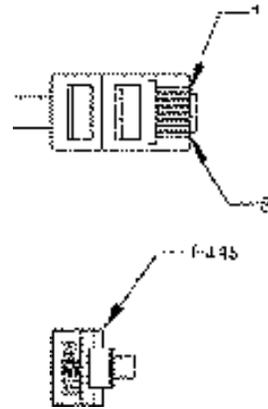
OPTIONS/ACCESSORIES

- **Expanded flash memory options** (up to 9MB total)
- **13.2V 1400mAh Long Life Battery** (prints approx. twice as many labels per charge as standard battery)
- **Diverse battery charging options** (universal AC converter)
- **Zebra Flash Font Package** (provides international typefaces for global application specifications)

PT400 RJ-45 Serial Port Pin Definitions

Pin #	Function
1	No connect
2	RD
3	TD
4	DTR
5	GND
6	DSR
7	RTS (tied to +5)
8	No connect

PT400 Serial Cable RJ-45 Plug Pinouts



Zebra Technologies Corporation

International Headquarters Office
333 Corporate Woods Parkway
Vernon Hills, IL60061-3109 U.S.A.
Phone: +1 (847) 634-6700 or +1 (800) 423-0422
Fax: +1 (847) 913-8766

Other Locations

United States: California, Florida, Utah, Wisconsin
Europe: France, Germany, United Kingdom
Asia: Japan, Singapore

*Specifications listed are for base model printers with standard features only unless otherwise noted. Ask your Zebra representative for detailed specs for the printer recommended for your application.

www.zebra.com

Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved. Contact your Zebra sales representative for specific information.

©1999 Zebra Technologies Corporation
#11813L(4-99) Printed in U.S.A.



FM-32328
An ISO 9001 registered company